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L5	1	703/18.ccls. and @pd>"20070801"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/10/17 16:44
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A Ruehli

J Drewniak

W Pinello

J Fan

G Lei

Hybrid electromagnetic modeling of noise interactions in packagedelectronics based on the partial- ... - all 5 versions »

W Pinello, AC Cangellaris, A Ruehli - Microwave Theory and Techniques, IEEE Transactions on, 1997 - ieeexplore.ieee.org

... interconnect delay, reflection, and simultaneous **switching noise**. ... interconnects on **printed circuit** boards, which ... a rigorous electromagnetic **PEEC** model, while ...

Cited by 46 - Related Articles - Web Search - BL Direct

Wave model solution to the ground/power plane noise problem - all 3 versions »

GT Lei, RW Techentin, PR Hayes, DJ Schwab, BK ... - Instrumentation and Measurement, IEEE Transactions on, 1995 - ieeexplore.ieee.org

... known as delta-I or **switching noise**, appears as ... The **PEEC** techniques yield equivalent circuits in terms of ... x 7.5 in) double- sided **printed circuit** board, with ...

Cited by 39 - Related Articles - Web Search - BL Direct

Analysis of power/ground-plane EMI decoupling performance using thepartial-element equivalent ... - all 4 versions »

B Archambeault, AE Ruehli - Electromagnetic Compatibility, IEEE Transactions on, 2001 - ieeexplore.ieee.org

... and TA Schreyer, "Computation of **switching noise** in **printed circuit** boards," IEEE ... for the partial element equivalent circuit (**PEEC**) method," presented ...

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Modeling and simulation of core **switching noise** for ASICs - all 4 versions »

N Na, J Choi, M Swaminathan, JR Libous... - IEEE Transactions on Advanced Packaging, 2002 - ece.gatech.edu

... CBGA) package on a **printed circuit** board (PCB ... the role of plane resonances on core **switching noise**. ... partial element equivalent circuit (**PEEC**) based approaches ...

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Estimating the noise mitigation effect of local decoupling in **printed circuit** boards - all 5 versions »

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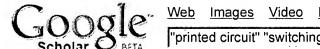
... H IGH-FREQUENCY noise in **printed circuit** boards (PCBs ... referred to as simultaneous **switching noise** (SSN) and ... partial element equivalent circuit (**PEEC**) [10], [11 ...

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All Results

H Chen
L Smith
J Yook
J Drewniak
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Computation of switching noise in printed circuit boards
JG Yook, V Chandramouli, LPB Katehi, KA Sakallah, ... - Components, Packaging, and Manufacturing Technology, Part A, ..., 1997 - ieeexplore.ieee.org
... 20, NO. 1, MARCH 1997 Computation of **Switching Noise** in **Printed Circuit** Boards Jong-Gwan Yook, Student Member, IEEE , V. Chandramouli, Student Member, IEEE, ...
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